ThinkPad®

Personal Systems Reference Lenovo® ThinkPad® Edge Notebooks

December 2012 - Version 429 (Western Europe)

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ThinkPad®

Lenovo® ThinkPad Twist S230u
(Tent Mode)

Lenovo® ThinkPad Twist S230u
(Tablet Mode)

Lenovo® ThinkPad Twist S230u
(Notebook Mode)

Lenovo® ThinkPad Twist S230u
(Stand Mode)

Lenovo® ThinkPad Twist S230u

Lenovo® ThinkPad Twist S230u

ThinkPad® Twist S230u (3347) - TopSeller (Ultrabook)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-29G	i7-3517U	8GB	12.5" HD *Multi*	720p	128G SSD	Intel 2230	Ericsson	Lenovo	Black	BT	8	Win8 Pro64	10/12
3347-28G	i7-3517U	8GB	12.5" HD *Multi*	720p	128G SSD	Intel 2230	Ericsson	Lenovo	Black	BT	8	Win8 64	10/12
3347-27G	i5-3317U	4GB	12.5" HD *Multi*	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-26G	i5-3317U	4GB	12.5" HD *Multi*	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 64	10/12
3347-4PG	i3-3217U	4GB	12.5" HD *Multi*	720p	320G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	12/12
3347-4NG	i3-3217U	4GB	12.5" HD *Multi*	720p	320G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 64	12/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***A depot repair service 1-year limited warranty***

Positioning	*Convertible tablet ultrabook™; one spindle*
Processor	**Intel® Core™ i3-3217U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3317U processor (2 cores, 1.70GHz, 3MB Cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology **Intel Core i7-3517U processor (2 cores, 1.90GHz, 4MB Cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable
mSATA™ SSD	*Some:* 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**12.5"** (317.5mm) **HD (1366x768) TFT color**, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS**, rotate and swivel hinge** *Bottom buttons:* volume up / down and Windows buttons *Side buttons:* power and auto rotation buttons
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600 (Mini DisplayPort)@60Hz; 1920x1200 (Mini HDMI)@60Hz
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
Light sensor	Ambient light sensor
ThinkLight™	None
Dimensions[3]	*8-cell:* 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm
Weight[2]	*8-cell:* from 3.50 lb (1.60kg)
Case material	*Display cover:* Magnesium + Polyphenylene sulfide (PPS); *Bottom:* Magnesium + PPS
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication
Extended Battery	None
Battery - life[10]	*8-cell (42.4Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)
ExpressCard	None
Smart Card Read	None
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC Adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
ROHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23 or December 4, 2012

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ThinkPad®

Lenovo® ThinkPad Edge E130

Lenovo ThinkPad Edge E130

Lenovo ThinkPad Edge E130

Lenovo ThinkPad Edge E130

Lenovo ThinkPad Edge E130

Lenovo ThinkPad Edge E130

ThinkPad® Edge E130 3358 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Blue-tooth	Preload	Ann Date (mm/yy)
3358-5GG	Pen 977	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Black	BT	None	05/12
3358-5FG	Pen 977	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Red	BT	Prem 64	05/12
3358-5EG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	16GB mSATA	None	Red	BT	Prem 64	05/12
3358-5DG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	Ericsson	Lenovo	Black	BT	Pro 64	05/12
3358-6SG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Blue	BT	Prem 64	06/12
3358-28G	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Pro 64	06/12
3358-7DG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Prem 64	08/12
3358-7CG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Pro 64	08/12
3358-8DG	Pen 997	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Black	BT	DOS-Lic.	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® 977 processor (2 cores, 1.40GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Pentium 997 processor (2 cores, 1.60GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2367M processor (2 cores, 1.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics** or **Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* No operating system
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- TrueSuite™ (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 29, June 12, August 7 or October 2, 2012

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ThinkPad® Edge E130 3358 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Blue-tooth	Preload	Ann Date (mm/yy)
3358-8SG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	10/12
3358-8RG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	10/12
3358-8QG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Black	BT	Win7 Pro64	10/12
3358-8CG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Blue	BT	Win8 64	10/12
3358-8BG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Black	BT	Win8 Pro64	10/12
3358-8AG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	10/12
3358-89G	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	16GB	None	Red	BT	Win8 64	10/12
3358-88G	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	10/12
3358-87G	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 64	10/12
3358-86G	Pen 997	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Red	BT	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® 997 processor (2 cores, 1.60GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3217U processor (2 cores, 1.80GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics**, **Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E135 3359 (AMD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3359-64G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Pro 64	07/12
3359-62G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Red	None	BT	6	Prem 64	07/12
3359-5ZG	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	Prem 64	07/12
3359-5YG	E2-1800	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Red	None	BT	6	Prem 64	07/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E-300** (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) **AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 6310** or **7340 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**AMD A68M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 10, 2012

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ThinkPad® Edge E135 3359 (AMD) - TopSeller (DOS)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3359-65G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	07/12
3359-63G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	07/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E-300** (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) **AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 6310** or **7340 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**AMD A68M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 10, 2012

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ThinkPad® Edge E135 3359 (AMD) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Screen type	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3359-6EG	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	10/12
3359-68G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	Win8 64	10/12
3359-67G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Red	None	BT	6	Win8 64	10/12
3359-66G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Win8 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **11.6"** (295mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio *Some:* **11.6"** (295mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD 7340 graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*11.6W" (WxDxH):* 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm
Weight[2]	*6-cell:* from 3.40 lb (1.54kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4Whr):* up to 8.5 hr
Chipset	**AMD A68M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad®

Lenovo® ThinkPad Edge E320

Lenovo ThinkPad Edge E320

Lenovo ThinkPad Edge E320

Lenovo ThinkPad Edge E325

Lenovo ThinkPad Edge E320

Lenovo ThinkPad Edge E325

ThinkPad® Edge E320 1298 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Blue-tooth	Bat-tery cells	Preload
1298-3RG	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-3QG	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000			Matte black	Blue	6	Pro 64
1298-37G	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte red	Blue	6	Prem 64
1298-35G	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte black	Blue	6	Prem 64
1298-34G	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte black	Blue	6	Pro 64
1298-5PG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n			Matte red	Blue	6	Prem 64
1298-5MG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000			Matte black	Blue	6	Pro 64
1298-5LG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-6KG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Prem 64
☞ 1298-AAG	i3-2350M	4GBx1	13.3" HD	720p	320G 5400	TP 11a/b/g/n			Matte black	Blue	6	Pro 64
☞ 1298-A7G	i3-2350M	4GBx1	13.3" HD	720p	320G 5400	TP 11a/b/g/n			Matte red	Blue	6	Prem 64
☞ 1298-A6G	i3-2350M	4GBx1	13.3" HD	720p	320G 5400	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm
Weight[2]	*6-cell:* from 4.07 lb (1.85kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2 *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	*Some:* Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
Carrier	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Gigabit ethernet, Atheros® AR8151
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced December 20, 2011; previous models on July 5 or October 4, 2011

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ThinkPad® Edge E320 1298 (Intel) - TopSeller (January 2012)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Blue-tooth	Bat-tery cells	Preload
1298-85G	i5-2450M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-84G	i3-2350M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n			Matte red	Blue	6	Prem 64
1298-83G	i3-2350M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000			Matte black	Blue	6	Pro 64
1298-82G	i3-2350M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64
1298-A9G	i5-2450M	4GBx1	13.3" HD	720p	320G 5400	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Pro 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm
Weight[2]	*6-cell:* from 4.07 lb (1.85kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2 *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	*Some:* Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
Carrier	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Gigabit ethernet, Atheros® AR8151
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced January 17, 2012

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ThinkPad® Edge E320 1298 (Intel) - Switchable (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Blue-tooth	Bat-tery cells	Preload
1298-3SG	i3-2310M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Prem 64
1298-5NG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	Intel 1000	Ericsson	selectable	Matte black	Blue	6	Prem 64
☞ 1298-7ZG	i5-2450M	4GBx1	13.3" HD	720p	500G 5400	Intel 1000			Matte red	Blue	6	Prem 64
☞ 1298-A8G	i5-2450M	4GBx1	13.3" HD	720p	320G 5400	Intel 1000			Matte red	Blue	6	Prem 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	Switches between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **AMD Radeon™ HD 6630M graphics**, **1GB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm
Weight[2]	*6-cell:* from 4.11 lb (1.87kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 5.6 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	*Some:* Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
Carrier	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Gigabit ethernet, Atheros® AR8151
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced January 17, 2012; previous model(s) on July 5 or October 4, 2011

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ThinkPad® Edge E320 1298 (Intel) - TopSeller (DOS)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Blue-tooth	Bat-tery cells	Preload
1298-5QG	i3-2330M	4GBx1	13.3" HD	720p	320G 7200	TP 11b/g/n	None	None	Matte black	Blue	6	DOS-Lic.

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm
Weight[2]	*6-cell:* from 4.07 lb (1.85kg)
Case color	Matte black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Gigabit ethernet, Atheros® AR8151
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 4, 2011

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ThinkPad® Edge E325 1297 (AMD) - TopSeller

Type-model	Processor	GHz	Memory	Wide-screen display	Camera	Integrated graphics	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Top color	Blue-tooth	Bat-tery cells	Preload
1297-2GG	E-350	1.60	4GBx1	13.3" HD	720p	HD 6310	320G 5400	TP 11b/g/n	None	Matte black	Blue	6	Pro 64
1297-2FG	E-350	1.60	2GBx1	13.3" HD	720p	HD 6310	320G 5400	TP 11a/b/g/n	None	Matte red	Blue	6	Prem 64
1297-2TG	E-450	1.65	2GBx1	13.3" HD	720p	HD 6320	320G 7200	TP 11a/b/g/n	None	Matte red	Blue	6	Prem 64
1297-2SG	E-450	1.65	4GBx1	13.3" HD	720p	HD 6320	320G 7200	TP 11b/g/n	None	Matte black	Blue	6	Pro 64
1297-39G	E-450	1.65	4GBx1	13.3" HD	720p	HD 6320	320G 7200	TP 11b/g/n	None	Matte black	Blue	6	Prem 64
1297-3MG	E-450	1.65	2GBx1	13.3" HD	720p	HD 6320	320G 5400	TP 11a/b/g/n	None	Matte red	Blue	6	Prem 64
1297-3LG	E-450	1.65	4GBx1	13.3" HD	720p	HD 6320	320G 5400	TP 11b/g/n	None	Matte black	Blue	6	Pro 64
1297-3HG	E-450	1.65	2GBx1	13.3" HD	720p	HD 6320	500G 5400	TP 11a/b/g/n	None	Matte red	Blue	6	Prem 64
☞ 1297-3QG	E-450	1.65	4GBx1	13.3" HD	720p	HD 6320	500G 5400	TP 11a/b/g/n	None	Matte red	Blue	6	Prem 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E-350** with dual-core, integrated AMD Radeon™ HD 6310M Graphics, virtualization technology, integrated 1066MHz DDR3 memory controller, and 1MB L2 cache **AMD Accelerated Processor E-450** with dual-core, integrated AMD Radeon HD 6320M Graphics, virtualization technology, integrated 1333MHz DDR3 memory controller, and 1MB L2 cache
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD 6310M or 6320M graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm
Weight[2]	*6-cell:* from 3.95 lb (1.79kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 6.2 hr
Chipset	**AMD A50M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1 *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Gigabit ethernet, Atheros® AR8151
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced April 10 2012; previous model(s) on July 5, October 4 or December 20, 2011; January 17, 2012

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ThinkPad® Edge E325 1297 (AMD) - TopSeller (DOS)

Type-model	Processor	GHz	Memory	Wide-screen display	Camera	Integrated graphics	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Top color	Blue-tooth	Bat-tery cells	Preload
1297-2UG	E-450	1.65	4GBx1	13.3" HD	720p	HD 6320	320G 7200	TP 11b/g/n	None	Matte black	Blue	6	DOS-Lic.

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E-450** with dual-core, integrated AMD Radeon™ HD 6320M Graphics, virtualization technology, integrated 1333MHz DDR3 memory controller, and 1MB L2 cache
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller
Optical	None
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD 6320M graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Maximum external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, multi-touch
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 1.05-1.21"; 322 x 228mm x 26.7-30.9mm
Weight[2]	*6-cell:* from 3.95 lb (1.79kg)
Case color	Matte black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 6.2 hr
Chipset	**AMD A50M FCH Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Gigabit ethernet, Atheros® AR8151
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
(Windows 7 models)
ENERGY STAR® 5.0-compliant
(Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support
during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 4, 2011

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ThinkPad®

Lenovo® ThinkPad Edge E330

Lenovo ThinkPad Edge E330

Lenovo ThinkPad Edge E330

Lenovo ThinkPad Edge E330

Lenovo ThinkPad Edge E330

Lenovo ThinkPad Edge E335

ThinkPad® Edge E330 3354 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-4SG	i3-2370M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Prem 64	05/12
3354-4RG	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	05/12
3354-4QG	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Pro 64	05/12
3354-95G	Pen B970	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Prem 64	06/12
3354-96G	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	06/12
3354-9RG	i3-2328M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Prem 64	08/12
3354-9QG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	08/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® B970 processor (2 cores, 2.30GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2370M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics** or **Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 29, June 12, June 26 or August 14, 2012

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ThinkPad® Edge E330 3354 (Intel) - TopSeller - II

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-93G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Pro 64	06/12
3354-4NG	i5-3210M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Pro 64	06/12
3354-BFG	i5-3210M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	08/12
3354-ALG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	08/12
3354-AHG	i5-3210M	4GBx1	13.3" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	08/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 26 or August 28, 2012

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ThinkPad® Edge E330 3354 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-BNG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	10/12
3354-BMG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	10/12
3354-BKG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Win7 Pro64	10/12
3354-BJG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Win7 Pro64	10/12
3354-AVG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Win8 Pro64	10/12
3354-ATG	i5-3210M	4GBx1	13.3" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Blue	6	Win8 64	10/12
3354-ASG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Lenovo	Black	6	Win8 Pro64	10/12
3354-ARG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
3354-AQG	i3-3110M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	10/12
3354-APG	i3-2328M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12
3354-ANG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
3354-AMG	Pen B980	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Pentium® B980 processor (2 cores, 2.40GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics**, **Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black, Heatwave red or Arctic blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	*Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E330 3354 (Intel) - Optimus (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-94G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Blue	6	Prem 64	06/12
3354-4PG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Prem 64	06/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® 610M**, PCI Express® x16, **1GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Arctic Blue or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Ready to install applications[14] (only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14] (only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 26, 2012

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ThinkPad® Edge E330 3354 (Intel) - Optimus (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3354-AUG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® 610M**, PCI Express® x16, **1GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows 8 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E335 3355 (AMD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3355-64G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	DOS-Lic.	07/12
3355-63G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Red	6	Prem 64	07/12
3355-62G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Prem 64	07/12
3355-5ZG	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Pro 64	07/12
3355-5YG	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Pro 64	07/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**AMD A68M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- OneKey Recovery Pro
- Password Manager

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced July 17, 2012

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ThinkPad® Edge E335 3355 (AMD) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat-tery cells	Preload	Ann date (mm/yy)
3355-6AG	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	10/12
3355-69G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Win7 Pro64	10/12
3355-68G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Win8 Pro64	10/12
3355-67G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win8 Pro64	10/12
3355-66G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	10/12
3355-65G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Red	6	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; one spindle*
Processor	**AMD Accelerated Processor E2-1800** (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	None
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**13.3"** (338mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard
ThinkLight™	None
Dimensions[3]	*13.3W" (WxDxH):* 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm
Weight[2]	*6-cell:* from 3.97 lb (1.80kg)
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell, HW Authentication
Battery - life[10]	*6-cell (62.4 Whr):* up to 7.5 hr
Chipset	**AMD A68M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
PCIe WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter *Some:* 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter
PCIe WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Gigabit ethernet, Realtek® RTL8111F
Intel AMT	None
Audio support	High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad®

Lenovo® ThinkPad Edge E420s

Lenovo ThinkPad Edge E420s

ThinkVision® LT1421 with ThinkPad Edge E420s

Lenovo ThinkPad Edge E420s

Lenovo ThinkPad Edge E420s

ThinkPad® Edge E420s 4401 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Finger print reader	Blue-tooth	Bat-tery cells	Preload
4401-5BG	i3-2330M	4GBx1	14.0" HD	720p	320G 7200	Intel 1000	None	None	Finger	Blue	4	Prem 64
4401-5DG	i5-2430M	4GBx1	14.0" HD	720p	128G SSD	Intel 1000	Ericsson	selectable	Finger	Blue	4	Pro 64
☞ 4401-7PG	i3-2350M	4GBx1	14.0" HD	720p	320G 7200	Intel 1000	None	None	Finger	Blue	4	Prem 64
☞ 4401-8YG	i3-2350M	4GBx1	14.0" HD	720p	320G 5400	Intel 1000	None	None	Finger	Blue	4	Prem 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Elegant design with quality, reliability, and portability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, slot-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA	None
Widescreen display	**14.0"** (355mm) **HD (1366x768) color**, anti-glare display with glossy infinity glass, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touch pad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, scrolling regions, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.74" x 9.29" x 0.91-1.23"; 349mm x 236mm x 23.1-31.2mm
Weight[2]	starting at 4.14 lb (1.88kg)
Case color	Moss Black soft touch finish, authentic metal accents
Case material	Magnesium/Aluminum + PPS
Battery - type[37]	Integrated Lithium Ion 4-cell, 1000 cycle battery
Battery - life[10]	*4-cell (48.8Whr):* up to 7.0 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	*Some:* Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
Carrier	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced January 17, 2012; previous model(s) on October 4, 2011

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ThinkPad® Edge E420s 4401 (Switchable) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Finger print reader	Blue-tooth	Bat-tery cells	Preload
4401-5CG	i5-2430M	4GBx1	14.0" HD	720p	320G 7200	Intel 1000	None	None	Finger	Blue	4	Pro 64
☞ 4401-7SG	i5-2450M	4GBx1	14.0" HD	720p	320G 7200	Intel 1000	None	None	Finger	Blue	4	Pro 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Elegant design with quality, reliability, and portability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-2430M processor (dual-core, 2.40GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 9.5mm high, fixed, not removable, slot-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA	None
Widescreen display	**14.0"** (355mm) **HD (1366x768) color**, anti-glare display with glossy infinity glass, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus
Graphics	Switches between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **AMD Radeon™ HD 6630M graphics**, **2GB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touch pad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, scrolling regions, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.74" x 9.29" x 0.91-1.23"; 349mm x 236mm x 23.1-31.2mm
Weight[2]	starting at 4.22 lb (1.92kg)
Case color	Moss Black soft touch finish, authentic metal accents
Case material	Magnesium/Aluminum + PPS
Battery - type[37]	Integrated Lithium Ion 4-cell, 1000 cycle battery
Battery - life[10]	*4-cell (48.8Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Intel AMT	None
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced January 17, 2012; previous model(s) on October 4, 2011

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ThinkPad®

Lenovo® ThinkPad Edge S430

Lenovo ThinkPad Edge S430

Lenovo ThinkPad Edge S430

Lenovo ThinkPad Edge S430

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Lenovo ThinkPad Edge S430

ThinkPad® Edge S430 3364 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-3DG	i7-3520M	4GBx2	14.0" HD+	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Pro 64	06/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 7.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- TrueSuite™ (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 19, 2012

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ThinkPad® Edge S430 3364 (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-5HG	i7-3520M	4GBx2	14.0" HD+	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win7 Pro64	10/12
3364-57G	i7-3520M	4GBx2	14.0" HD+	720p	500G 7200	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win8 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge S430 3364 (Optimus) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-3EG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2230	16GB mSATA	Finger	BT	4	Prem 64	06/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 620M**, PCI Express® x16, **2GB** memory, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@85Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 6.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	None
Carrier	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7
Home Premium 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- TrueSuite™ (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 19, 2012

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ThinkPad® Edge S430 3364 (Optimus) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
3364-5JG	i7-3520M	4GBx2	14.0" HD+	720p	128G SSD	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win7 Pro64	10/12
3364-58G	i7-3520M	4GBx2	14.0" HD+	720p	128G SSD	Intel 2230	Ericsson	Lenovo	Finger	BT	4	Win8 Pro64	10/12
3364-56G	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2230	16GB	None	Finger	BT	4	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, Shock Mounted Hard Drive
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, **VibrantView** (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 620M**, PCI Express® x16, **2GB** memory, supports external digital monitor via mini-HDMI™ (HDCP-compliant) or Mini DisplayPort; supports dual independent display; *Max external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200 (HDMI via optional mini-HDMI cable)@60Hz; 2048x1536 (VGA)@85Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.82" x 9.37" x 0.87-0.95"; 351mm x 238mm x 22.2-24.2mm
Weight[2]	*4-cell:* from 3.97 lb (1.8kg)
Case color	Mocha black (top), trimmed with a thin silver band (side); black bottom
Case material	*Display cover :* Magnesium/Aluminum; *Bottom:* Magnesium/Aluminum
Battery - type[37]	Integrated Lithium Polymer 4-cell
Battery - life[10]	*4-cell (48.8Whr):* up to 5.0 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0, ethernet (RJ-45), one mini-HDMI, one Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i5 discrete models and i7 models, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter
PCIe WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Intel AMT	None
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad®

Lenovo® ThinkPad Edge E520

Lenovo ThinkPad Edge E520

Lenovo ThinkPad Edge E520

Lenovo ThinkPad Edge E520

Lenovo ThinkPad Edge E520

Lenovo ThinkPad Edge E520

ThinkPad® Edge E520 1143 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload
1143-DPG	i3-2330M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	Ericsson	selectable	Matte black	None	Blue	6	Prem 64
1143-3HG	i3-2310M	4GBx1	15.6" HD	720p	500G 5400	Intel 1000	None	None	Matte red	None	Blue	6	Prem 64
1143-3JG	i3-2310M	2GBx1	15.6" HD	720p	320G 5400	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
1143-3KG	i3-2310M	4GBx1	15.6" HD	720p	500G 5400	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
1143-3LG	i5-2410M	4GBx1	15.6" HD	720p	500G 5400	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
1143-7UG	i3-2310M	4GBx1	15.6" HD	720p	500G 5400	Intel 1000	None	None	Matte black	None	Blue	6	Prem 64
1143-B8G	i3-2330M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte black	None	Blue	6	Prem 64
1143-B7G	i3-2330M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte red	None	Blue	6	Prem 64
1143-B6G	i3-2330M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
1143-B5G	i5-2430M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
1143-H8G	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64
☞ 1143-HHG	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte red	Finger	Blue	6	Prem 64
☞ 1143-GXG	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte black	Finger	Blue	6	Prem 64
☞ 1143-GWG	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.15-1.33"; 380 x 248.5mm x 29.3-33.7mm
Weight[2]	*6-cell:* from 5.51 lb (2.5kg); *9-cell:* from 5.86 lb (2.66kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell or 9-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr; *9-cell (94Whr):* up to 11.7 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	One ExpressCard/34
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	*Some:* Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
Carrier	*Some:* User selectable, contract required with service provider
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	*Some:* UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced January 17, 2012; previous model(s) on April 19, August 2, August 30, October 4 or December 13, 2011

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(G-GGR1-1) March 2012

ThinkPad® Edge E520 1143 (Intel) - TopSeller (February 2012)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
1143-KCG	i3-2350M	4GBx1	15.6" HD	720p	500G 5400	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64	01/12
1143-KBG	i5-2450M	4GBx1	15.6" HD	720p	500G 5400	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64	01/12
1143-K9G	i3-2350M	4GBx1	15.6" HD	720p	320G 7200	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64	01/12
1143-K8G	i5-2450M	4GBx1	15.6" HD	720p	320G 7200	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64	01/12
1143-K7G	i3-2350M	4GBx1	15.6" HD	720p	320G 7200	Intel 1000	None	None	Matte black	Finger	Blue	6	Prem 64	01/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.15-1.33"; 380 x 248.5mm x 29.3-33.7mm
Weight[2]	*6-cell:* from 5.51 lb (2.5kg); *9-cell:* from 5.86 lb (2.66kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell or 9-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr; *9-cell (94Whr):* up to 11.7 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	One ExpressCard/34
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	None
Carrier	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced January 24, 2012

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ThinkPad® Edge E520 1143 (Intel) - TopSeller (October 2011)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload
1143-8QG	B810	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	None	None	Matte red	None	Blue	6	Prem 64
1143-8PG	B810	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	None	None	Matte black	None	Blue	6	Pro 64
1143-8NG	B940	4GBx1	15.6" HD	720p	500G 5400	TP 11b/g/n	None	None	Matte red	None	Blue	6	Prem 64
1143-8MG	B940	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	None	None	Matte black	None	Blue	6	Prem 64
1143-BAG	B950	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	None	None	Matte black	None	Blue	6	Prem 64
1143-B9G	B800	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	None	None	Matte black	None	Blue	6	Pro 64
1143-CNG	B800	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	None	None	Matte red	None	Blue	6	Prem 64
1143-CMG	B950	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	None	None	Matte red	None	Blue	6	Prem 64
1143-H2G	B960	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64
1143-GZG	B960	4GBx1	15.6" HD	720p	500G 5400	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64
1143-GYG	B800	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64
1143-KAG	B960	4GBx1	15.6" HD	720p	250G 5400	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64
1143-K6G	B960	2GBx1	15.6" HD	720p	250G 5400	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64
1143-K5G	B960	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64
1143-KLG	B960	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	None	Matte black	Finger	Blue	6	Prem 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB Cache)**, DDR3 memory controller (up to 1333MHz) **Intel Celeron B810 processor (dual-core, 1.60GHz, 2MB Cache)**, DDR3 memory controller (up to 1333MHz) **Intel Pentium® B940 processor (dual-core, 2.00GHz, 2MB Cache)**, DDR3 memory controller (up to 1333MHz) **Intel Pentium B950 processor (dual-core, 2.10GHz, 2MB Cache)**, DDR3 memory controller (up to 1333MHz) **Intel Pentium B960 processor (dual-core, 2.20GHz, 2MB Cache)**, DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.15-1.33"; 380 x 248.5mm x 29.3-33.7mm
Weight[2]	*6-cell:* from 5.51 lb (2.5kg); *9-cell:* from 5.86 lb (2.66kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell or 9-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr; *9-cell (94Whr):* up to 11.7 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	One ExpressCard/34
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	*Some:* UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 21 or October 4, 2011; January 17, January 24, or February 28, 2012

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ThinkPad® Edge E520 1143 (Intel) - Switchable (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Discrete graphics memory	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload
1143-3MG	i5-2410M	4GBx1	15.6" HD	720p	1G	500G 5400	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
1143-3NG	i5-2410M	4GBx1	15.6" HD	720p	1G	500G 5400	Intel 1000	None	None	Matte red	None	Blue	6	Prem 64
1143-B4G	i5-2430M	4GBx1	15.6" HD	720p	1G	750G 5400	Intel 1000	None	None	Matte red	None	Blue	6	Prem 64
1143-B3G	i5-2430M	4GBx1	15.6" HD	720p	1G	750G 5400	Intel 1000	None	None	Matte black	None	Blue	6	Pro 64
☞ 1143-JYG	i5-2450M	4GBx1	15.6" HD	720p	2G	500G 7200	Intel 1000	None	None	Matte red	Finger	Blue	6	Prem 64
☞ 1143-GVG	i5-2450M	4GBx1	15.6" HD	720p	2G	750G 5400	Intel 1000	None	None	Matte black	Finger	Blue	6	Pro 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	Switches between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **AMD Radeon™ HD 6630M graphics**, **1GB** or **2GB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.15-1.33"; 380 x 248.5mm x 29.3-33.7mm
Weight[2]	*6-cell:* from 5.51 lb (2.5kg); *9-cell:* from 5.86 lb (2.66kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell or 9-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr; *9-cell (94Whr):* up to 11.7 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	One ExpressCard/34
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	*Some:* UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced January 17, 2012; previous model(s) on April 19 or October 4, 2011

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ThinkPad® Edge E520 1143 (Intel) - TopSeller (DOS)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload
1143-BBG	i5-2430M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	None	None	Matte black	None	Blue	6	DOS-Lic.

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-2430M processor (dual-core, 2.40GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.15-1.33"; 380 x 248.5mm x 29.3-33.7mm
Weight[2]	*6-cell:* from 5.51 lb (2.5kg); *9-cell:* from 5.86 lb (2.66kg)
Case color	Matte black (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell or 9-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.2 hr; *9-cell (94Whr):* up to 11.7 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard	One ExpressCard/34
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 4, 2011

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ThinkPad® Edge E525 1200 (AMD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload
1200-2KG	A8-3500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	Matte red	None	Blue	6	Prem 64
1200-2JG	A6-3400M	4GBx1	15.6" HD	720p	500G 5400	TP 11b/g/n	Matte black	None	Blue	6	Pro 64
1200-2HG	A4-3300M	4GBx1	15.6" HD	720p	500G 5400	TP 11b/g/n	Matte red	None	Blue	6	Prem 64
1200-2GG	A4-3300M	4GBx1	15.6" HD	720p	500G 5400	TP 11b/g/n	Matte black	None	Blue	6	Pro 64
1200-3HG	E2-3000M	2GBx1	15.6" HD	720p	320G 5400	TP 11b/g/n	Matte black	Finger	Blue	6	Prem 64
1200-3GG	A4-3300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	Matte black	Finger	Blue	6	Prem 64
1200-3FG	A6-3420M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	Matte black	Finger	Blue	6	Pro 64
1200-3EG	A8-3520M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	Matte red	Finger	Blue	6	Prem 64
1200-3PG	A4-3300M	4GBx1	15.6" HD	720p	500G 5400	TP 11b/g/n	Matte black	Finger	Blue	6	Prem 64
☞ 1200-3XG	A6-3420M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n	Matte black	None	Blue	6	Pro 64
☞ 1200-3WG	A4-3300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	Matte black	None	Blue	6	Prem 64

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor E2-3000M** (dual-core, 1.80GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6380G Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor A4-3300M** (dual-core, 1.90GHz, 2MB L2 cache), integrated AMD Radeon HD 6480G Graphics, AMD Turbo Core technology (up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor A6-3400M** (quad-core, 1.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (up to 2.30GHz), integrated DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor A6-3420M** (quad-core, 1.50GHz, 4MB L2 cache), integrated AMD Radeon HD 6520G Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor A8-3500M** (quad-core, 1.50GHz, 4MB L2 cache), integrated AMD Radeon HD 6620G Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1333MHz) **AMD Accelerated Processor A8-3520M** (quad-core, 1.60GHz, 4MB L2 cache), integrated AMD Radeon HD 6620G Graphics, AMD Turbo Core technology (up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
Widescreen display Camera	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD Graphics** in processor external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1600 (VGA)@60Hz; 1920x1080p (HDMI)@60Hz
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar[13] UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None
Dimensions[3] Weight[2] Case color Case material Battery - type[37] Battery - life[10]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.2-1.51"; 380mm x 248.5mm x 30.6-38.3mm *6-cell:* from 5.69 lb (2.58kg); *9-cell:* from 6.04 lb (2.74kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell *6-cell (48Whr):* up to 3.75 hr; *9-cell (94Whr):* up to 7.4 hr
Chipset ExpressCard Multicard Reader Ports	**AMD A60M FCH** One ExpressCard/34 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card WLAN[4] Modem Bluetooth™ Ethernet Audio support Security Security chip Fingerprint reader	One PCI Express Half Mini Card slot ThinkPad 11b/g/n, PCIe Half Mini Card, Realtek® chipset, 1x1 None Bluetooth 3.0 wireless Realtek® RTL8111E Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None *Some:* UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Fingerprint Software (fingerprint models)
- Password Manager (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox

Preloaded applications[14] (only some listed)
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft Office 2010 preloaded; purchase product key to activate
- Adobe Acrobat® X Standard (bundled with Microsoft Office)
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced April 17, 2012; previous model(s) on August 9, 2011; January 17 or January 24, 2012

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ThinkPad® Edge E525 1200 (AMD) - TopSeller (DOS)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue-tooth	Bat-tery cells	Preload
1200-32G	A4-3300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	Matte black	None	Blue	6	DOS-Lic.
☞ 1200-3NG	A4-3300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	Matte black	Finger	Blue	6	DOS-Lic.

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A4-3300M** (dual-core, 1.90GHz, 2MB L2 cache), integrated AMD Radeon™ HD 6480G Graphics, AMD Turbo Core technology (up to 2.50GHz), integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD Graphics** in processor external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1600 (VGA)@60Hz; 1920x1080p (HDMI)@60Hz
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint® pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*15.6W" (WxDxH):* 14.96" x 9.78" x 1.2-1.51"; 380mm x 248.5mm x 30.6-38.3mm
Weight[2]	*6-cell:* from 5.69 lb (2.58kg); *9-cell:* from 6.04 lb (2.74kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell or 9-cell
Battery - life[10]	*6-cell (48Whr):* up to 3.75 hr; *9-cell (94Whr):* up to 7.4 hr
Chipset	**AMD A60M FCH**
ExpressCard	One ExpressCard/34
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Half Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1
Modem	None
Bluetooth™	Bluetooth 3.0 wireless
Ethernet	Realtek® RTL8111E Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 1 watt x 2/ mono digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	*Some:* UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information

☞ WE model(s) announced December 20, 2011; previous models on September 6, 2011

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ThinkPad®

Lenovo® ThinkPad Edge E530

Lenovo ThinkPad Edge E530

Lenovo ThinkPad Edge E530

Lenovo ThinkPad Edge E530
with Numeric Keypad
(Matte black, Matte red or Matte blue)

Lenovo ThinkPad Edge E530

Lenovo ThinkPad Edge E530
without Numeric Keypad
(Black aluminum)

ThinkPad® Edge E530 3259 (Intel) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3259-CBG	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-CAG	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte red	Finger	6	Prem 64	04/12
3259-79G	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-7AG	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-CGG	i5-2520M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-9WG	i3-2370M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte red	Finger	6	Prem 64	05/12
3259-9XG	i3-2370M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	05/12
3259-9ZG	i3-2370M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HMG	i3-2330M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HKG	i3-2330M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	05/12
3259-HQG	i3-2370M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	Ericsson	Lenovo	Numpad	Matte black	Finger	6	Pro 64	07/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2370M processor (dual-core, 2.40GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i5-2520M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg);
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- One Key Recovery Pro

Preloaded applications[14] (only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced April 24, May 15, May 29 or July 3, 2012

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ThinkPad® Edge E530 3259 (Intel) - TopSeller - II

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3259-9UG	B960	2GBx1	15.6" HD	0.3M	320G 5400	TP 11b/g/n + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-9VG	B960	4GBx1	15.6" HD	0.3M	500G 5400	TP 11b/g/n + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-HPG	B970	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HNG	B970	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HHG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	08/12
3259-HGG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	08/12
3259-MUG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	DOS-Lic.	08/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Pentium® B960 processor (2 cores, 2.20GHz, 2MB Cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Pentium B970 processor (2 cores, 2.30GHz, 2MB Cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB Cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	*Some:* Camera on top of screen, 0.3-megapixel, fixed focus *Some:* HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics** or **Intel HD Graphics 3000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.4 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card WLAN[4]	Two PCI Express Mini Card slots *Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- One Key Recovery Pro

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
- Microsoft Office 2010 preloaded; purchase product key to activate

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced April 10, May 22, August 7 or August 28, 2012

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ThinkPad® Edge E530 3259 (Intel) - TopSeller - III

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3259-7CG	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT		None	Numpad	Matte black	Finger	6	Pro 64	05/12
3259-A2G	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Numpad	Matte black	Finger	6	Pro 64	06/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache)**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg);
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (62Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- One Key Recovery Pro

Preloaded applications[14] (only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 1 or June 5, 2012

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ThinkPad® Edge E530 3259 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
3259-LZG	Pen B980	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	62	Win8 64	10/12
3259-M9G	i7-3632QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	62	Win8 Pro64	10/12
3259-MBG	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Numpad	Black	Finger	6	62	Win8 Pro64	10/12
3259-MFG	i3-3110M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	Ericsson	Lenovo	Numpad	Black	Finger	6	48	Win8 64	10/12
3259-MGG	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Red	Finger	6	48	Win8 64	10/12
3259-MHG	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	10/12
3259-MJG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	10/12
3259-MKG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12
3259-TFG	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Pentium® B980 processor (2 cores, 2.40GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics**, **Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg);
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.5 hr *6-cell (62Whr):* up to 7.3 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E530 3259 (Intel) - Optimus (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3259-BQG	i5-2450M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-2450M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **NVIDIA GeForce® GT 630M**, PCI Express® x16, **2GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.47 lb (2.48kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- One Key Recovery Pro

Preloaded applications[14] (only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced April 10, 2012

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ThinkPad® Edge E530 3259 (Intel) - Optimus (TopSeller) - II

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
3259-C2G	i7-3612QM	4GBx1	15.6" HD+	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Matte blue	Finger	6	62	Prem 64	05/12
3259-HJG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT		None	Numpad	Matte black	Finger	6	48	Pro 64	06/12
3259-A3G	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Matte red	Finger	6	62	Prem 64	06/12
3259-A4G	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT		None	Numpad	Matte black	Finger	6	48	Pro 64	06/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache)**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 630M**, PCI Express® x16, **2GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black, Matte red or Matte blue (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black, Matte red or Matte blue (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.47 lb (2.48kg)
Case color	Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.5 hr *6-cell (62Whr):* up to 7.3 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14] (only some listed)
- One Key Recovery Pro

Preloaded applications[14] (only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced May 1 or June 5, 2012

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ThinkPad® Edge E530 3259 (Intel) - Optimus (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
3259-M3G	i7-3632QM	4GBx2	15.6" HD+	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Black	Finger	6	62	Win8 Pro64	10/12
3259-MAG	i7-3632QM	4GBx2	15.6" HD+	720p	1TB 5400	Intel 2230 + BT	16GB	None	Numpad	Blue	Finger	6	62	Win8 64	10/12
3259-MCG	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Red	Finger	6	62	Win8 64	10/12
3259-MDG	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12
3259-MEG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 635M**, PCI Express® x16, **2GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black, Matte red or Matte blue (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black, Matte red or Matte blue (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.47 lb (2.48kg)
Case color	Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.5 hr *6-cell (62Whr):* up to 7.3 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E530 3259 (Intel) - TopSeller (DOS)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8]	rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3259-HLG	i5-3210M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	DOS-Lic.	06/12

• ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (dual-core, 2.50GHz, 3MB Cache)**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg);
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- DOS-Lic.

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 5, 2012

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ThinkPad® Edge E530 6272 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6272-3MG	i7-3612QM	4GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3LG	i7-3612QM	4GBx1	15.6" HD+	720p	500G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3KG	i5-3210M	4GBx1	15.6" HD+	720p	500G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3JG	i3-3110M	4GBx1	15.6" HD+	720p	500G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3FG	i7-3612QM	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-37G	i5-3210M	4GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-36G	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-29G	i7-3632QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-28G	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-27G	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-26G	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache)**, **Intel HD Graphics 3000**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** or **Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	*Matte black or Matte red (top):* Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr *6-cell (62Whr):* up to 7.5 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E530 6272 (Intel) - TopSeller (Windows 8) - II

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6272-6LG	i5-3210M	4GBx1	15.6" HD+	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	12/12
6272-6KG	i3-3110M	4GBx1	15.6" HD	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	12/12
6272-6JG	i3-3110M	4GBx1	15.6" HD	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win8 64	12/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), HT technology **Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable
mSATA™ SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics 4000** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	*Matte black or Matte red (top):* Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
WWAN	None
SIM card	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced December 4, 2012

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ThinkPad® Edge E530 6272 (Intel) - Optimus (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6272-3HG	i7-3612QM	4GBx2	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-3GG	i7-3612QM	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-3AG	i5-3210M	8GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-39G	i5-3210M	4GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-38G	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® 610M**, PCI Express® x16, **1GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black, Matte red or Matte blue (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black, Matte red or Matte blue (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.47 lb (2.48kg)
Case color	Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.5 hr *6-cell (62Whr):* up to 7.3 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter
WWAN	Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Ready to install applications[14] (only some listed)
- One Key Recovery Pro

Preloaded applications[14] (only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E530 6272 (Intel) - Optimus (TopSeller) - Windows 8 - II

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6272-4QG	i7-3632QM	4GBx2	15.6" HD+	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-4AG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-49G	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3QG	i7-3632QM	4GBx2	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3PG	i7-3612QM	4GBx2	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3NG	i7-3612QM	4GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3EG	i7-3632QM	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3DG	i7-3632QM	4GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3CG	i7-3632QM	8GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3BG	i5-3210M	8GBx1	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-34G	i7-3632QM	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-33G	i7-3632QM	4GBx2	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-32G	i7-3612QM	4GBx2	15.6" HD+	720p	750G 5400	TP 11b/g/n + BT	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	*Some:* 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA GeForce® GT 635M**, PCI Express® x16, **2GB** memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black, Matte red or Matte blue (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black, Matte red or Matte blue (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.47 lb (2.48kg)
Case color	Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.5 hr *6-cell (62Whr):* up to 7.3 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	*Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter *Some:* 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter
WWAN	*Some:* Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card	*Some:* Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Mobile Access
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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ThinkPad® Edge E530c 3366 (Intel) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3366-3FG	Pen 960	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 64	11/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**Intel® Pentium® 960 processor (2 cores, 2.20GHz, 2MB cache)**, **Intel HD Graphics**, DDR3 memory controller (up to 1333MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**Intel HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Black textured (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Black textured (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Black textured (top); black bottom
Case material	*Black textured (top):* Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr
Chipset	**Mobile Intel HM77 Express Chipset**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	Two PCI Express Mini Card slots
WLAN[4]	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	None
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows 8 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced November 6, 2012

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ThinkPad® Edge E535 3260 (AMD) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3260-5AG	A6-4400M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	06/12
3260-5BG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	06/12
3260-5VG	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64	06/12
3260-7AG	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	None	06/12
3260-A8G	A6-4400M	4GBx1	15.6" HD Glos	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte red	Finger	6	Prem 64	06/12
3260-6QG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64	07/12
3260-6TG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	07/12
3260-EMG	A8-4500M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	DOS-Lic.	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A4-4300M** (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A6-4400M** (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A8-4500M** (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	*Some:* **15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio *Some:* **15.6"** (396mm) **HD (1366x768) color**, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.0 hr
Chipset	**AMD A70M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* No operating system
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64
- *Some:* Genuine Windows 7 Professional 64

Ready to install applications[14]
(Windows 7 models; only some listed)
- One Key Recovery Pro

Preloaded applications[14]
(Windows 7 models; only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 19, July 24 or October 16, 2012

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ThinkPad® Edge E535 3260 (AMD) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3260-EHG	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-EGG	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-ECG	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	10/12
3260-EBG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	10/12
3260-DVG	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-DUG	A6-4400M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-DTG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-DSG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-EUG	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	11/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A4-4300M** (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A6-4400M** (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) **AMD Accelerated Processor A8-4500M** (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	**AMD Radeon HD Graphics** in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.45kg)
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 6.0 hr
Chipset	**AMD A70M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications (only some listed)

- Windows 7 models
- Access Connections™
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Adobe® Reader®

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage

- All models
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23 or November 6, 2012

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ThinkPad® Edge E535 3260 (AMD) - Switchable (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3260-8KG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	06/12
3260-ELG	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	DOS-Lic.	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A8-4500M** (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	Dynamic switching between discrete and integrated graphics (user selectable), **AMD Radeon HD Graphics** in processor, and **AMD Radeon HD 7670M Graphics**, PCI Express® x16, **1GB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad *Black aluminum (top):* 6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm *Black aluminum (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.48kg)
Case color	*Some:* Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom *Some:* Black aluminum (top); black bottom
Case material	*Matte black or Matte red (top):* Acrylonitrile-Butadiene-Styrene (ABS) plastic *Black aluminum (top):* Aluminum
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr
Chipset	**AMD A70M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* DOS-Lic.
- *Some:* Genuine Windows® 7 Home Premium 64

Ready to install applications[14] (only some listed)
- One Key Recovery Pro

Preloaded applications[14] (only some listed)
- Access Connections™
- TrueSuite Fingerprint Software (includes password manager function)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Tools
- Lenovo SimpleTap
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating (Windows 7 models)
ENERGY STAR® 5.0-compliant (Windows 7 models)
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced June 19 or October 16, 2012

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ThinkPad® Edge E535 3260 (AMD) - Switchable (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3260-DWG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12

- ***Small and medium business (SMB) model(s), part of the WE TopSeller™ Program***
- ***Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Sophisticated design with quality, durability and reliability for SMB customers; two spindles*
Processor	**AMD Accelerated Processor A8-4500M** (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™
mSATA™ SSD	None
Widescreen display	**15.6"** (396mm) **HD (1366x768) color**, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator
Graphics	Dynamic switching between discrete and integrated graphics (user selectable), **AMD Radeon HD Graphics** in processor, and **AMD Radeon HD 7670M Graphics**, PCI Express® x16, **1GB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; *Max external resolution:* 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz
Keyboard	*Matte black or Matte red (top):* 6-row, spill-resistant, multimedia Fn keys, numeric keypad *Black aluminum (top):* 6-row, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar[13]
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch
ThinkLight™	None
Dimensions[3]	*Matte black or Matte red (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm *Black aluminum (top):* 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm
Weight[2]	*6-cell:* from 5.4 lb (2.48kg)
Case color	*Some:* Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom *Some:* Black aluminum (top); black bottom
Case material	*Matte black or Matte red (top):* Acrylonitrile-Butadiene-Styrene (ABS) plastic *Black aluminum (top):* Aluminum
Battery - type[37]	Lithium Ion 6-cell
Battery - life[10]	*6-cell (48Whr):* up to 5.7 hr
Chipset	**AMD A70M FCH**
ExpressCard	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
PCIe Mini Card	One PCI Express Mini Card slot
WLAN[4]	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1
WWAN	None
Modem	None
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card
Ethernet	Realtek® RTL8111F Gigabit Network Connection
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	None
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- Windows 8 64-bit

Preloaded applications[14] (only some listed)
- Lenovo Support
- Lenovo Companion
- Lenovo Cloud Storage
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- Norton™ Internet Security (30 days of virus definitions)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

See footnotes for more detailed information
WE model(s) announced October 23, 2012

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

[1] Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.

[2] **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.

[3] **Thinness** may vary at certain points on the system.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[6] **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[10] **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

[12] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[13] **Internet access not included.**

[14] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

[16] **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.

[17] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[18] **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with Depot or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

[19] **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[22] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

[23] **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

[24] **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

[27] **Based on IEEE 802.11a and 802.11b.** A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

[28] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

[30] **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.

[32] **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

[35] **Operating system:** Level of support varies by operating system. Operating systems not preloaded on the system may not provise full feature functionality. Refer to **lenovo.com**/think/support and enter your machine type and model number for more information.

[37] **Battery:** The ThinkPad Edge and ThinkPad SL series do not support batteries that are not genuine Lenovo-made or authorized. These systems will continue to boot, but may not charge unauthorized batteries. **Warning:** Lenovo has no responsibility for the performance or safety of unauthorized batteries, and provides no warranties for failures or damage arising out of their use.

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